

Title (en)  
RADIATION SHIELDING GLASS AND METHOD FOR MANUFACTURE THEREOF

Title (de)  
STRAHLUNGSABSCHIRMENDES GLAS UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
VERRE ANTIRADIATION ET SON PROCEDE DE FABRICATION

Publication  
**EP 1939147 B1 20121219 (EN)**

Application  
**EP 06811774 A 20061013**

Priority  

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- JP 2005303880 A 20051019
- JP 2005303881 A 20051019
- JP 2005303882 A 20051019
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Abstract (en)  
[origin: EP1939147A1] Provided is a radiation-shielding glass, including a glass composition in % by mass of 10 to 35% SiO<sub>2</sub>, 55 to 80% PbO, 0 to 10% B<sub>2</sub>O<sub>3</sub>, 0 to 10% Al<sub>2</sub>O<sub>3</sub>, 0 to 10% SrO, 0 to 10% BaO, 0 to 10% Na<sub>2</sub>O, and 0 to 10% K<sub>2</sub>O, in which the radiation-shielding glass has a total light transmission at a wavelength of 400 nm at a thickness of 10 mm of 50% or higher. Also provided is a radiation-shielding glass which has the similar glass composition and can be used for a gamma-ray shielding glass for a PET examination.

IPC 8 full level  
**C03C 4/08** (2006.01); **C03C 3/07** (2006.01); **C03C 3/072** (2006.01); **G21F 1/06** (2006.01)

CPC (source: EP KR US)  
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